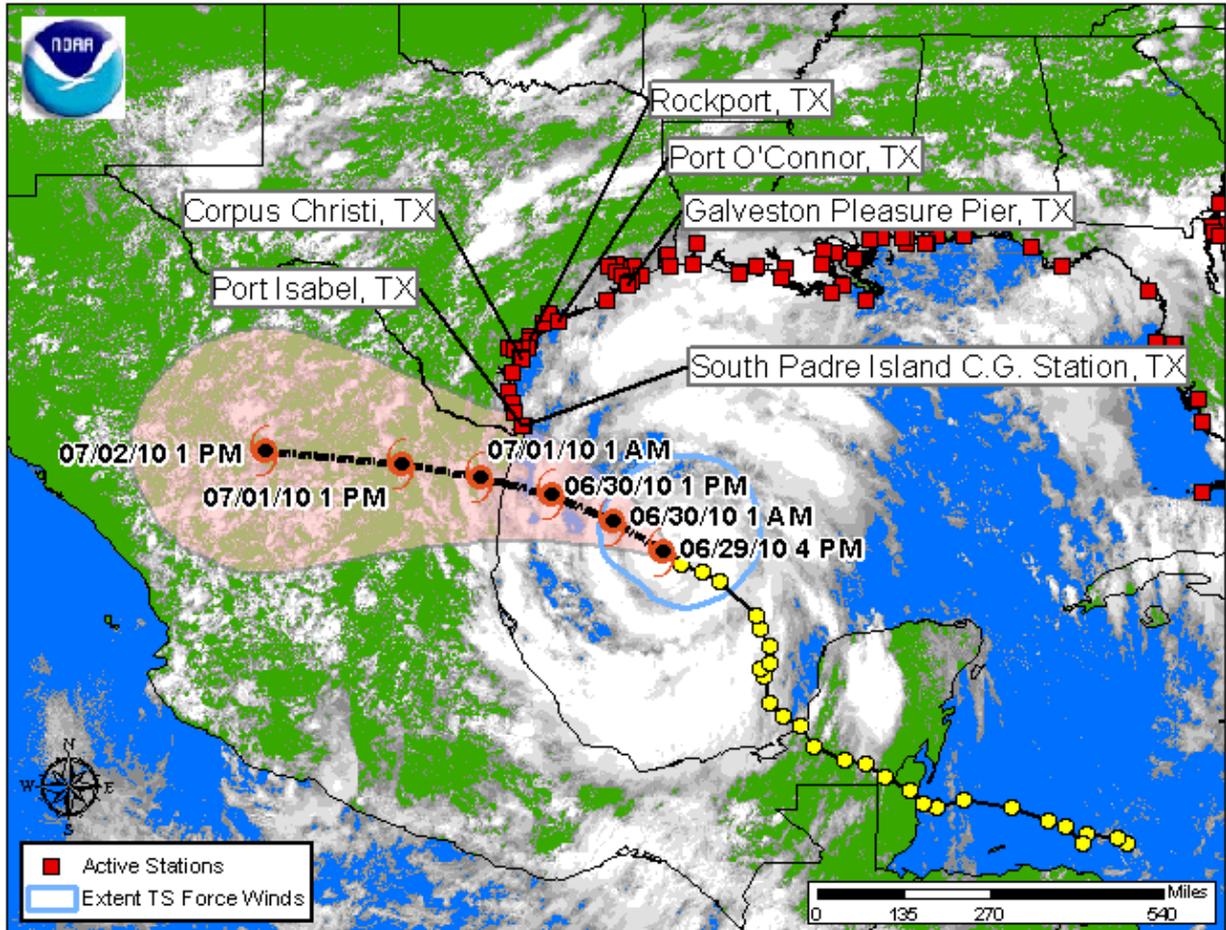




Tropical Storm ALEX QuickLook
Posted: 17:00 CDT 06/29/2010

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 06/29/2010 1700 CDT, water levels along the southern Texas coast are increasing and range between 0.75 and 1.75 feet above predicted.. Winds are also increasing, with gusts between 20-30 kts being recorded. Barometric pressure remains steady.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Port Isabel, TX: Next predicted high tides are 1.09 ft (0.33 m) at 06/30/2010 09:20 CDT and 1.00 ft (0.30 m) at 07/01/2010 09:09 CDT.

South Padre Island Coast Guard Station, TX: Next predicted high tides are 0.91 ft (0.28 m) at 06/30/2010 09:06 CDT and 0.84 ft (0.26 m) at 07/01/2010 08:58 CDT.

Corpus Christi, TX: Next predicted high tides are 1.32 ft (0.40 m) at 06/30/2010 07:51 CDT and 1.23 ft (0.37 m) at 07/01/2010 07:57 CDT.

Rockport, TX: Next predicted high tides are 0.24 ft (0.07 m) at 06/29/2010 17:42 CDT and 0.19 ft (0.06 m) at 06/30/2010 18:31 CDT.

Port O'Connor, TX: Next predicted high tides are 0.48 ft (0.15 m) at 06/30/2010 12:33 CDT and 0.41 ft (0.12 m) at 07/01/2010 12:29 CDT.

Galveston Pleasure Pier, TX: Next predicted high tides are 1.85 ft (0.56 m) at 06/30/2010 07:47 CDT and 1.13 ft (0.34 m) at 06/30/2010 17:41 CDT

or additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ALEX ADVISORY NUMBER 17

400 PM CDT TUE JUN 29 2010

...ALEX BECOMING BETTER ORGANIZED AND EXPECTED TO BECOME A HURRICANE IN THE NEXT SEVERAL HOURS...

WATCHES AND WARNINGS

A HURRICANE WARNING IS IN EFFECT FOR...

*** THE COAST OF TEXAS SOUTH OF BAFFIN BAY TO THE MOUTH OF THE RIO GRANDE**

A TROPICAL STORM WARNING IS IN EFFECT FOR...

*** THE COAST OF TEXAS FROM BAFFIN BAY TO PORT OCONNOR**

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 400 PM CDT THE CENTER OF TROPICAL STORM ALEX WAS LOCATED ABOUT 290 MI SE OF BROWNSVILLE TEXAS. ALEX IS MOVING TOWARD THE NORTHWEST NEAR 13 MPH. A GRADUAL TURN TOWARD THE WEST-NORTHWEST WITH SOME DECREASE IN FORWARD SPEED IS EXPECTED ON WEDNESDAY. ON THE FORECAST TRACK...THE CENTER OF ALEX WILL APPROACH THE COAST OF NORTHEASTERN MEXICO AND SOUTHERN TEXAS ON WEDNESDAY AND MAKE LANDFALL IN THE HURRICANE WARNING AREA LATE WEDNESDAY OR WEDNESDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH WITH HIGHER GUSTS. SATELLITE IMAGERY INDICATES THAT ALEX IS BECOMING BETTER ORGANIZED....AND IT IS EXPECTED TO BECOME A HURRICANE SOMETIME TONIGHT WITH STRENGTHENING CONTINUING UNTIL LANDFALL.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES...280 KM FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 981 MB...28.97 INCHES.

HAZARDS AFFECTING LAND

RAINFALL...ALEX IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTIONS OF NORTHEASTERN MEXICO AND SOUTHERN TEXAS...WITH ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES... ESPECIALLY IN MOUNTAINOUS TERRAIN. RAINBANDS ASSOCIATED WITH ALEX ARE SPREADING ONSHORE IN NORTHEASTERN MEXICO AND SOUTHERN TEXAS.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE COAST WITHIN THE HURRICANE AND TROPICAL STORM WARNING AREAS BEGINNING WEDNESDAY MORNING...MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

STORM SURGE...A DANGEROUS STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST NEAR AND TO THE NORTH OF WHERE THE CENTER MAKES LANDFALL. THE SURGE COULD PENETRATE INLAND AS FAR AS SEVERAL MILES FROM THE SHORE WITH DEPTH GENERALLY DECREASING AS THE WATER MOVES INLAND. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES.

FORECASTER BEVEN

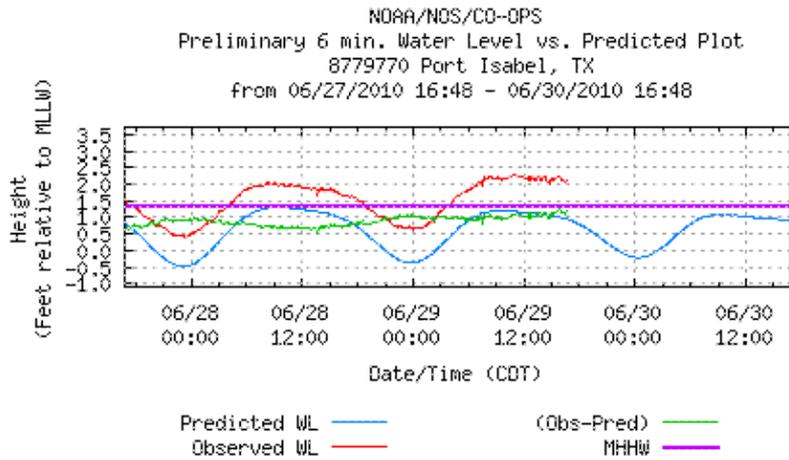
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Port Isabel - Water Level](#), [Port Isabel - Winds](#), [Port Isabel - Barometric](#), [Port Isabel - Air/Water Temp](#), [South Padre Island C.G Station - Water Level](#), [Corpus Christi - Water Level](#), [Corpus Christi - Winds](#), [Corpus Christi -](#)

Tropical Storm ALEX QuickLook, POSTED 17:00 CDT 06/29/2010

Barometric, Corpus Christi - Air/Water Temp, Rockport - Water Level, Rockport - Winds, Rockport - Barometric, Rockport - Air/Water Temp, Port O'Connor - Water Level, Galveston Pleasure Pier - Water Level, Galveston Pleasure Pier - Winds, Galveston Pleasure Pier - Barometric, Galveston Pleasure Pier - Air/Water Temp,

Port Isabel, TX - [Return to List](#)

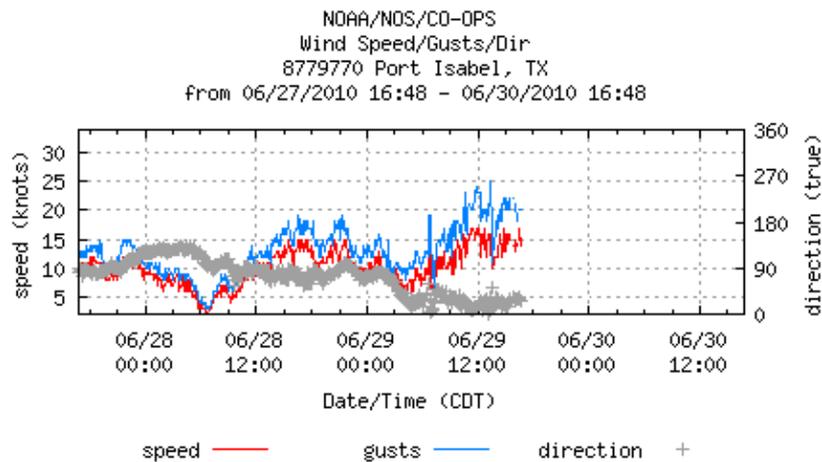


Last Observed Sample: 06/29/2010 16:36 (CDT)

Relative to **MLLW**: **Observed: 2.11 ft.** **Predicted: 0.94 ft.** **Residual: 1.17 ft.**

Historical Maximum Water Level: Aug 9 1980, 5.67 ft. above **MHHW**

Port Isabel, TX - [Return to List](#)

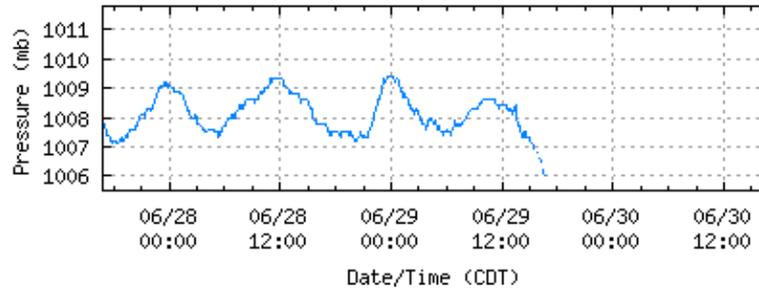


Last Observed Sample: 06/29/2010 16:36 (CDT)

Wind Speed: 14 knots **Gusts: 20 knots** Direction: 027° T

Port Isabel, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8779770 Port Isabel, TX
from 06/27/2010 16:48 - 06/30/2010 16:48



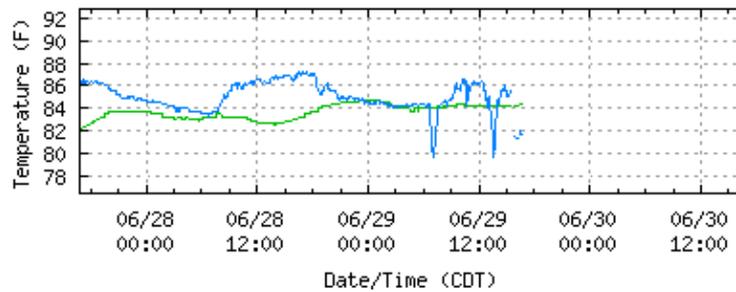
barometric pressure —

Last Observed Sample: 06/29/2010 16:36 (CDT)

Barometric Pressure: 1006.0 mb

Port Isabel, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8779770 Port Isabel, TX
from 06/27/2010 16:48 - 06/30/2010 16:48

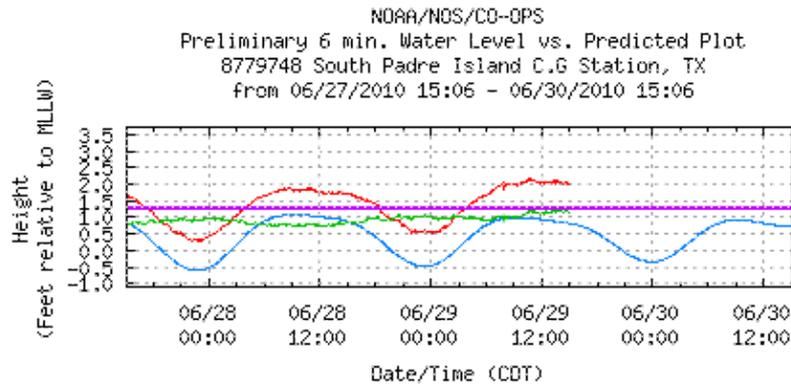


water temp. — air temp —

Last Observed Sample: 06/29/2010 16:36 (CDT)

Water Temperature: 84.4° F Air Temperature: 81.7° F

South Padre Island C.G Station, TX - [Return to List](#)



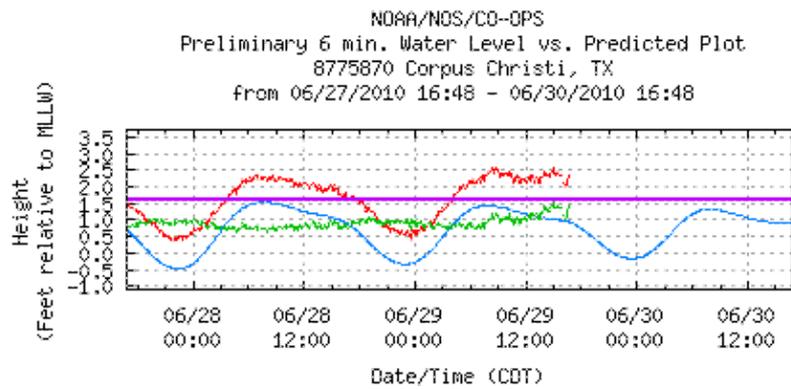
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/29/2010 14:54 (CDT)

Relative to **MLLW**: **Observed: 1.97 ft. Predicted: 0.82 ft. Residual: 1.15 ft.**

Historical Maximum Water Level: , 0 ft. above **MHHW**

Corpus Christi, TX - [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

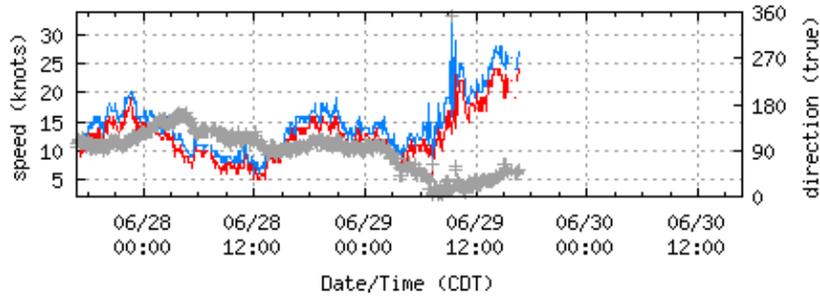
Last Observed Sample: 06/29/2010 16:36 (CDT)

Relative to **MLLW**: **Observed: 2.37 ft. Predicted: 0.94 ft. Residual: 1.43 ft.**

Historical Maximum Water Level: Sep 10 1998, 3.33 ft. above **MHHW**

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Wind Speed/Gusts/Dir
8775870 Corpus Christi, TX
from 06/27/2010 16:48 - 06/30/2010 16:48



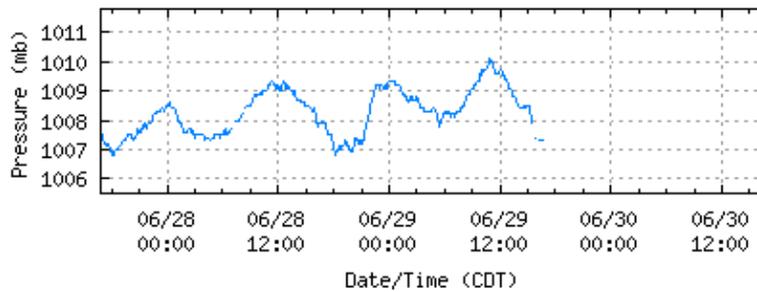
speed — gusts — direction +

Last Observed Sample: 06/29/2010 16:36 (CDT)

Wind Speed: 24 knots Gusts: 27 knots Direction: 053° T

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8775870 Corpus Christi, TX
from 06/27/2010 16:48 - 06/30/2010 16:48



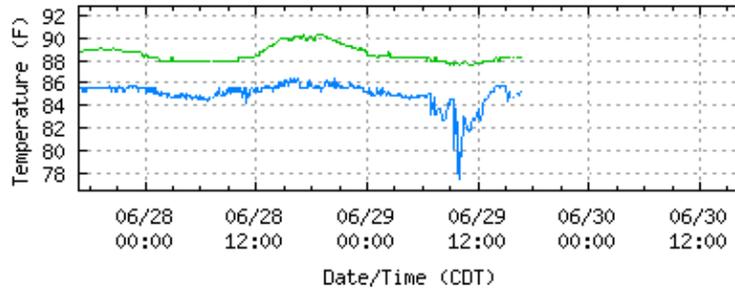
barometric pressure —

Last Observed Sample: 06/29/2010 16:36 (CDT)

Barometric Pressure: 1007.3 mb

Corpus Christi, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8775870 Corpus Christi, TX
 from 06/27/2010 16:48 - 06/30/2010 16:48



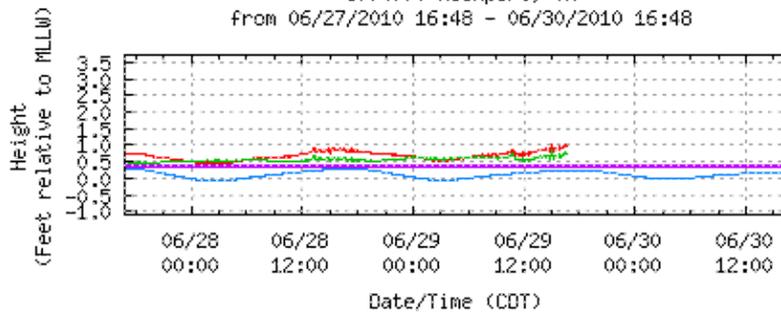
water temp. — air temp —

Last Observed Sample: 06/29/2010 16:36 (CDT)

Water Temperature: 88.3° F Air Temperature: 85.3° F

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8774770 Rockport, TX
 from 06/27/2010 16:48 - 06/30/2010 16:48



Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

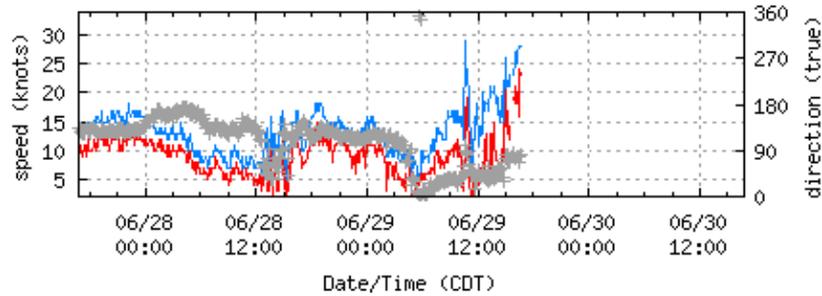
Last Observed Sample: 06/29/2010 16:36 (CDT)

Relative to **MLLW**: Observed: 0.95 ft. Predicted: 0.23 ft. Residual: 0.72 ft.

Historical Maximum Water Level: Aug 10 1980, 3.74 ft. above **MHHW**

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8774770 Rockport, TX
from 06/27/2010 16:48 - 06/30/2010 16:48



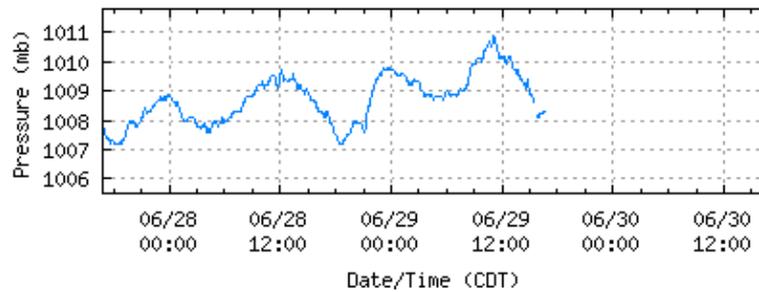
speed — gusts — direction +

Last Observed Sample: 06/29/2010 16:36 (CDT)

Wind Speed: 23 knots Gusts: 28 knots Direction: 082° T

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8774770 Rockport, TX
from 06/27/2010 16:48 - 06/30/2010 16:48



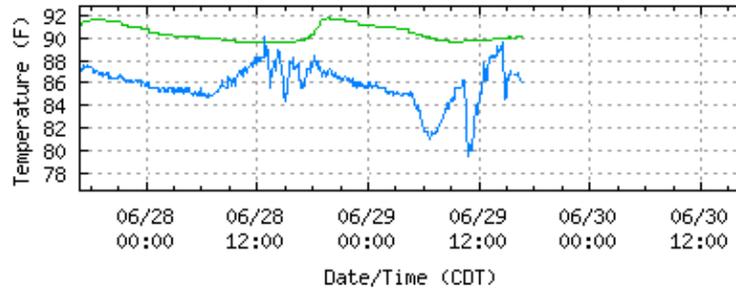
barometric pressure —

Last Observed Sample: 06/29/2010 16:36 (CDT)

Barometric Pressure: 1008.3 mb

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8774770 Rockport, TX
from 06/27/2010 16:48 - 06/30/2010 16:48



water temp. — air temp —

Last Observed Sample: 06/29/2010 16:36 (CDT)

Water Temperature: 90.1° F Air Temperature: 86.0° F

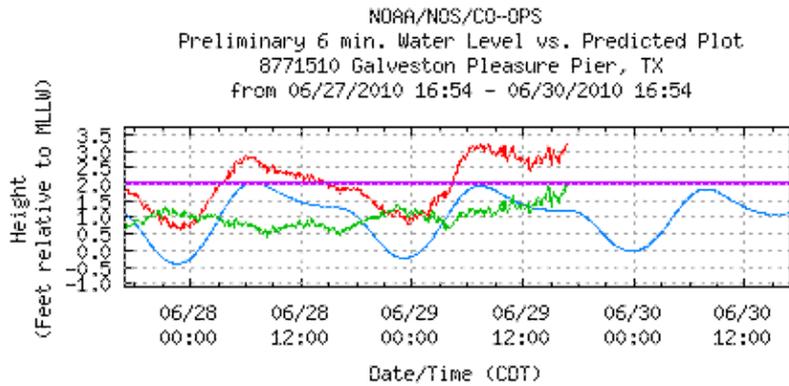
Port O'Connor, TX - [Return to List](#)

Last Observed Sample: 06/29/2010 16:00 (CDT)

Relative to **MLLW**: Observed: 2.05 ft. Predicted: 0.48 ft. Residual: 1.57 ft.

Historical Maximum Water Level: , 0 ft. above **MHHW**

Galveston Pleasure Pier, TX - [Return to List](#)



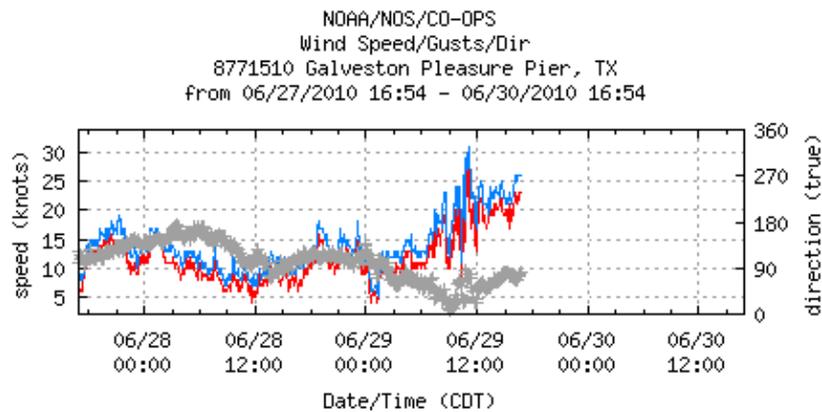
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 06/29/2010 16:42 (CDT)

Relative to **MLLW**: **Observed: 3.18 ft.** **Predicted: 1.22 ft.** **Residual: 1.96 ft.**

Historical Maximum Water Level: Sep 11 1961, 7.16 ft. above **MHHW**

Galveston Pleasure Pier, TX - [Return to List](#)



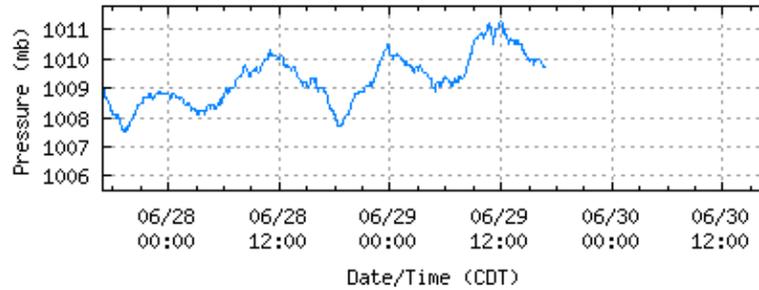
speed — gusts — direction +

Last Observed Sample: 06/29/2010 16:42 (CDT)

Wind Speed: 23 knots **Gusts: 26 knots** **Direction: 083° T**

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8771510 Galveston Pleasure Pier, TX
from 06/27/2010 16:54 - 06/30/2010 16:54



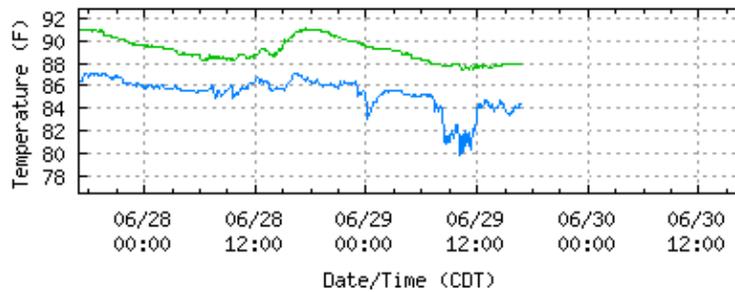
barometric pressure —

Last Observed Sample: 06/29/2010 16:42 (CDT)

Barometric Pressure: 1009.7 mb

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8771510 Galveston Pleasure Pier, TX
from 06/27/2010 16:54 - 06/30/2010 16:54



water temp. — air temp —

Last Observed Sample: 06/29/2010 16:42 (CDT)

Water Temperature: 88.0° F Air Temperature: 84.4° F

Tropical Storm ALEX QuickLook, POSTED 17:00 CDT 06/29/2010

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce